

IN THE CLAIMS

Please substitute the following amended claims 1, 2-9, and 14-20 for their corresponding originally-filed claims. A copy of these claims showing the amendments is attached as Appendix B.

1. (Amended) A contoured structural member, comprising:

an inner section containing a plurality of layers comprising a composite material or a metal-containing material;

an outer section containing a plurality of layers comprising a composite material or a metal-containing material;

at least one intermediate layer having a ribbed structure connecting the inner and the outer sections; and

a coating.
3. (Amended) The structural member of claim 1, wherein the inner section contains both a composite material and a metal-containing material.
4. (Amended) The structural member of claim 1, wherein the outer section contains both a composite material and a metal-containing material.
5. (Amended) The structural member of claim 1, wherein the coating is located on the outer surface of the structural member, the inner surface of the structural member, or both.
6. (Amended) The structural member of claim 1, wherein the coating is located between the inner section and the at least one intermediate layer, between the outer section and the at least one intermediate layer, or both.

7. (Amended) The structural member of claim 1, wherein the coating is incorporated within the inner section, within the at least one intermediate layer, within the outer section, or any combination thereof.

8. (Amended) The structural member of claim 1, wherein the coating modifies the friction, magnetic, chemical properties, or conductivity properties of the inner section, the at least one intermediate layer, the outer section, or any combination thereof.

9. (Amended) The structural member of claim 1, wherein the coating comprises polytetrafluoroethylene.

14. (Amended) The structural member of claim 1, wherein both the inner and the outer sections comprise a composite material.

12-45. (Amended) The structural member of claim 1, wherein both the inner and the outer sections comprise a metal-containing material.

13-16. (Amended) The structural member of claim 1, wherein the inner section comprises a composite material and the outer section comprises a metal-containing material.

14-17. (Amended) The structural member of claim 1, wherein the inner section comprises a metal-containing material and the outer section comprises a composite material.

15-18. (Amended) A contoured structural member, comprising:
an inner section containing a plurality of layers comprising a composite material or a metal-containing material;

an outer section containing a plurality of layers comprising a composite material or a metal-containing material;

at least one intermediate layer having a honeycomb structure connecting the inner and the outer sections; and

a coating modifying the friction, magnetic, chemical resistance, or conductivity properties of the inner section, the at least one intermediate layer, the outer section, or any combination thereof.

16 19. (Amended) A closed, contoured structural member, comprising:

an inner section containing a plurality of layers comprising a composite material or a metal-containing material;

an outer section containing a plurality of layers comprising a composite material or a metal-containing material;

at least one intermediate layer having a honeycomb structure connecting the inner and the outer sections; and

a coating modifying the friction, magnetic, chemical resistance, or conductivity properties of the inner section, the at least one intermediate layer, the outer section, or any combination thereof.

17 20. (Amended) A closed, contoured structural member, comprising:

an inner section containing a plurality of layers comprising a composite material or a metal-containing material;

an outer section containing a plurality of layers comprising a composite material or a metal-containing material;

at least one intermediate layer having a honeycomb structure being substantially contiguous with the inner section and the outer section; and

a coating modifying the friction, magnetic, chemical resistance, or conductivity properties of the inner section, the at least one intermediate layer, the outer section, or any combination thereof.